AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A radio receiving system comprising:

a receiver for a first spread spectrum radio signal, said receiver including means for receiving and dispreading said first spread spectrum signal; and a sequence generator for controlling a code sequence of a frequency-hopped signal for processing a second spread spectrum signal;

wherein the receiver for the first spread spectrum signal includes:

a programmable rejection filter for the first spread spectrum signal before that signal is despread; and means for controlling said programmable rejection filter in accordance with said code sequence to provide selective attenuation of frequency components which correspond to components in the frequency-hopped signal and are within the bandwidth of the first spread spectrum signal.

2. (Currently Amended) A system according to claim 1 wherein the receiver includes a mixer for converting ~~the conversion of~~ the first spread spectrum signal to an intermediate frequency band and the programmable rejection filter provides rejection of said frequency components that have been converted to frequencies within said intermediate frequency band.

3. (Currently Amended) A system according to claim 1 wherein the receiver includes means for down-converting the first spread spectrum signal to I and Q signals in a low-frequency band and means for converting said I and Q signals to digital signals and wherein said programmable rejection filter comprises digital filters for ~~the~~ said digital signals.

4. (Original) A system according to claim 1 wherein the system includes a second receiver for the second spread spectrum signal and the sequence generator is coupled to a frequency-hopping synthesizer for said second receiver.

5. (Original) A system according to claim 1 wherein the system includes a transmitter for the second spread spectrum signal and the sequence generator is coupled to a frequency-hopping synthesizer for said transmitter.

6. (Currently Amended) A radio receiving system comprising:

a receiver for a first spread spectrum radio signal, said receiver including means for receiving and dispreading said first spread spectrum signal; and a sequence generator for controlling the generation of a frequency-hopped signal for spreading or dispreading a second spread spectrum signal;

wherein the receiver for the first spread spectrum signal includes a programmable rejection filter for the first spread spectrum signal before that signal is despread, said programmable rejection filter being coupled to and controlled by the sequence generator to provide selective attenuation of frequency components which correspond to components in the frequency-hopped signal and are within the bandwidth of the first spread spectrum signal.

7. (Currently Amended) A system according to claim 6 wherein the receiver includes a mixer for ~~the conversion of~~converting the first spread spectrum signal to an intermediate frequency band and the programmable rejection filter provides rejection of said frequency components that have been converted to frequencies within said intermediate frequency band.

8. (Currently Amended) A system according to claim 6 wherein the receiver includes means for down-converting the first spread spectrum signal to I and Q signals in a low-

frequency band and means for converting said I and Q signals to digital signals and wherein said programmable rejection filter comprises digital filters for ~~the~~said digital signals.

9. (Currently Amended) A system according to claim 6 wherein the system includes a second receiver for the second spread spectrum signal and the sequence generator is coupled to a frequency-hopping synthesizer for said second receiver.

10. (Original) A system according to claim 6 wherein the system includes a transmitter for the second spectrum signal and the sequence generator is coupled to a frequency-hopping synthesizer for said transmitter.

11. (New) A method for receiving a first spread spectrum radio signal, said method comprising:

receiving and dispreading said first spread spectrum signal;

controlling a code sequence of a frequency-hopped signal for processing a second spread spectrum signal; and

controlling a programmable rejection filter for the first spread spectrum signal before that signal is despread in accordance with said code sequence to provide selective attenuation of frequency components which correspond to components in the frequency-hopped signal and are within the bandwidth of the first spread spectrum signal.

12. (New) A method as in claim 11 wherein a mixer converts the first spread spectrum signal to an intermediate frequency band and the programmable rejection filter provides rejection of said frequency components that have been converted to frequencies within said intermediate frequency band.

13. (New) A method as in claim 11 further comprising down-converting the first spread spectrum signal to I and Q signals in a low-frequency band and converting said I and Q

signals to digital signals and wherein said programmable rejection filter comprises digital filters for said digital signals.

14. (New) A method as in claim 11 further comprising receiving the second spread spectrum signal using said code sequence coupled to a frequency-hopping synthesizer.

15. A method as in claim 11 wherein a transmitter for the second spread spectrum signal uses a frequency-hopping synthesizer coupled to said code sequence.

16. (New) A method for receiving a first spread spectrum radio signal, said method comprising:

receiving and dispreading said first spread spectrum signal;

controlling the generation of a frequency-hopped signal for spreading or dispreading a second spread spectrum signal; and

applying a programmable rejection filter to the first spread spectrum signal before that signal is despread, said programmable rejection filter being coupled to and controlled by the frequency-hopped signal to provide selective attenuation of frequency components which correspond to components in the frequency-hopped signal and are within the bandwidth of the first spread spectrum signal.

17. (New) A method as in claim 16 wherein a mixer converts the first spread spectrum signal to an intermediate frequency band and the programmable rejection filter provides rejection of said frequency components that have been converted to frequencies within said intermediate frequency band.

18. (New) A method as in claim 16 further comprising:

down-converting the first spread spectrum signal to I and Q signals in a low-frequency band and converting said I and Q signals to digital signals and wherein said programmable rejection filter comprises digital filters for said digital signals.

19. (New) A method as in claim 16 further comprising:

receiving the second spread spectrum signal using said frequency-hopped signal coupled to a frequency-hopping synthesizer.

20. (New) A method as in claim 16 wherein a transmitter for the second spread spectrum signal uses said frequency-hopped signal coupled to a frequency-hopping synthesizer.